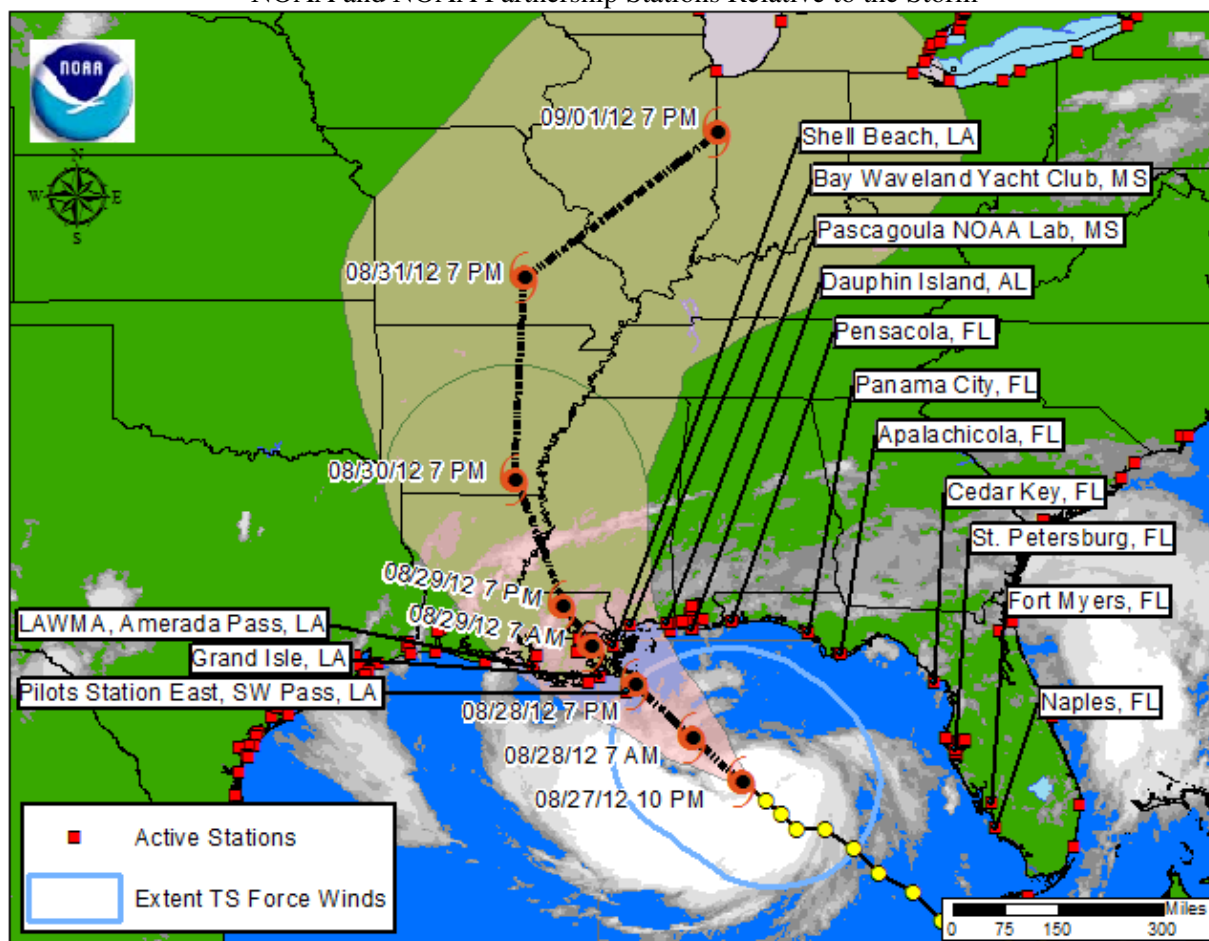




Tropical Storm ISAAC QuickLook
Posted: 23:00 CDT 08/27/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/27/2012 23:00 CDT, water levels from southern to central Florida are elevated between 1.1 and 2.5 ft above predicted tide levels. Water levels along the northwestern coast of Florida, Alabama, and Mississippi, are elevated between 0.6 and 1.9 ft above predictions. Water level stations west of Shell Beach, LA are elevated 0.1 to 1.3 ft above predictions. Winds across the northeastern Gulf are increasing and generally range between 10 and 30 knots, with some gusts up to 45 knots observed at Pilot Station East, LA. Barometric pressure is falling at stations west of Cedar Key, FL and is beginning to rise south of Cedar Key.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Naples, FL: Next predicted high tides are 3.3 ft (1.01 m) at 08/28/2012 10:24 EDT and 2.5 ft (0.78 m) at 08/28/2012 23:51 EDT.

Tropical Storm ISAAC QuickLook, POSTED 23:00 CDT 08/27/2012

Fort Myers, FL: Next predicted high tides are 1.0 ft (0.32 m) at 08/28/2012 02:58 EDT and 1.6 ft (0.51 m) at 08/28/2012 14:05 EDT.

St. Petersburg, FL: Next predicted high tides are 1.7 ft (0.52 m) at 08/28/2012 02:01 EDT and 2.7 ft (0.83 m) at 08/28/2012 12:00 EDT.

Cedar Key, FL: Next predicted high tides are 3.2 ft (0.98 m) at 08/28/2012 00:50 EDT and 4.2 ft (1.28 m) at 08/28/2012 11:48 EDT.

Apalachicola, FL: Next predicted high tides are 1.5 ft (0.47 m) at 08/28/2012 04:12 EDT and 1.8 ft (0.57 m) at 08/28/2012 13:08 EDT.

Panama City, FL: Next predicted high tides are 1.8 ft (0.54 m) at 08/28/2012 08:20 CDT and 1.7 ft (0.52 m) at 08/29/2012 09:23 CDT.

Pensacola, FL: Next predicted high tides are 1.8 ft (0.55 m) at 08/28/2012 09:09 CDT and 1.7 ft (0.52 m) at 08/29/2012 10:10 CDT.

Dauphin Island, AL: Next predicted high tides are 1.6 ft (0.50 m) at 08/28/2012 08:29 CDT and 1.5 ft (0.47 m) at 08/29/2012 09:26 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.6 ft (0.50 m) at 08/28/2012 08:10 CDT and 1.6 ft (0.48 m) at 08/29/2012 09:49 CDT.

Bay Waveland Yacht Club, MS: Next predicted high tides are 2.0 ft (0.60 m) at 08/28/2012 09:14 CDT and 1.9 ft (0.57 m) at 08/29/2012 10:51 CDT.

Shell Beach, LA: Next predicted high tides are 1.5 ft (0.44 m) at 08/28/2012 11:21 CDT and 1.3 ft (0.41 m) at 08/29/2012 12:45 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.6 ft (0.49 m) at 08/28/2012 07:25 CDT and 1.5 ft (0.47 m) at 08/29/2012 08:34 CDT.

Grand Isle, LA: Next predicted high tides are 1.4 ft (0.44 m) at 08/28/2012 08:11 CDT and 1.4 ft (0.42 m) at 08/29/2012 09:17 CDT.

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.5 ft (0.44 m) at 08/28/2012 03:32 CDT and 1.2 ft (0.37 m) at 08/28/2012 13:19 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:DW

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ISAAC ADVISORY NUMBER 28
NWS NATIONAL HURRICANE CENTER MIAMI FL
1000 PM CDT MON AUG 27 2012

...ISAAC TAKING AIM ON THE NORTHERN GULF COAST...SIGNIFICANT STORM SURGE AND
FRESHWATER FLOOD THREAT EXPECTED...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

NONE

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

* EAST OF MORGAN CITY LOUISIANA TO THE ALABAMA-FLORIDA BORDER... INCLUDING
METROPOLITAN NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

A HURRICANE WATCH IS IN EFFECT FOR...

* INTRACOASTAL CITY TO MORGAN CITY LOUISIANA

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* FROM THE ALABAMA-FLORIDA BORDER TO THE AUCILLA RIVER

* INTRACOASTAL CITY TO MORGAN CITY LOUISIANA

A TROPICAL STORM WATCH IS IN EFFECT FOR...

* EAST OF SABINE PASS TO WEST OF INTRACOASTAL CITY LOUISIANA

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED
SOMEWHERE WITHIN THE WARNING AREA. PREPARATIONS TO PROTECT LIFE AND
PROPERTY SHOULD BE RUSHED TO COMPLETION.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE
WATCH AREA.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED
SOMEWHERE WITHIN THE WARNING AREA.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE
WITHIN THE WATCH AREA.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND
WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL
NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1000 PM CDT...0300 UTC...THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED NEAR LATITUDE 27.1 NORTH...LONGITUDE 87.0 WEST. ISAAC IS MOVING TOWARD THE NORTHWEST NEAR 10 MPH. THIS GENERAL MOTION WITH SOME DECREASE IN FORWARD SPEED IS EXPECTED DURING THE NEXT DAY OR TWO. ON THE FORECAST TRACK...THE CENTER OF ISAAC WILL MOVE OVER THE CENTRAL GULF OF MEXICO TONIGHT AND APPROACH THE COAST OF SOUTHEASTERN LOUISIANA AND MISSISSIPPI TUESDAY AFTERNOON OR TUESDAY NIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 70 MPH WITH HIGHER GUSTS. STRENGTHENING IS FORECAST...AND ISAAC IS EXPECTED TO BECOME A HURRICANE TONIGHT OR EARLY TUESDAY...AND CONTINUE TO STRENGTHEN UNTIL LANDFALL OCCURS ALONG THE NORTHERN GULF COAST.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 205 MILES FROM THE CENTER.

THE LATEST MINIMUM CENTRAL PRESSURE JUST REPORTED BY AN AIR FORCE RESERVE RECONNAISSANCE AIRCRAFT WAS 979 MB...28.91 INCHES.

HAZARDS AFFECTING LAND

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

- * SOUTHEAST LOUISIANA AND MISSISSIPPI...6 TO 12 FT
- * ALABAMA...6 TO 9 FT
- * SOUTH-CENTRAL LOUISIANA...3 TO 6 FT
- * FLORIDA PANHANDLE...3 TO 6 FT
- * FLORIDA WEST COAST INCLUDING APALACHEE BAY...1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE FLOW. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DANGEROUS WAVES.

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO SPREAD NORTHWARD INTO THE FLORIDA BIG BEND AREA AND THE FLORIDA PANHANDLE IN THE TROPICAL STORM WARNING AREA OVERNIGHT AND TUESDAY.

TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE NORTHERN GULF COAST IN THE HURRICANE WARNING AREA OVERNIGHT...WITH HURRICANE CONDITIONS EXPECTED BY TUESDAY AFTERNOON.

RAINFALL...ISAAC IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 6 TO 12 INCHES...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 18 INCHES...IN SOUTHEASTERN LOUISIANA...SOUTHERN MISSISSIPPI... SOUTHERN ALABAMA AND THE EXTREME WESTERN FLORIDA PANHANDLE.

TORNADOES...ISOLATED TORNADOES ARE POSSIBLE ACROSS WEST-CENTRAL AND NORTHWESTERN FLORIDA THROUGH TONIGHT...AND ALONG THE NORTHERN GULF COAST LATE TONIGHT AND TUESDAY.

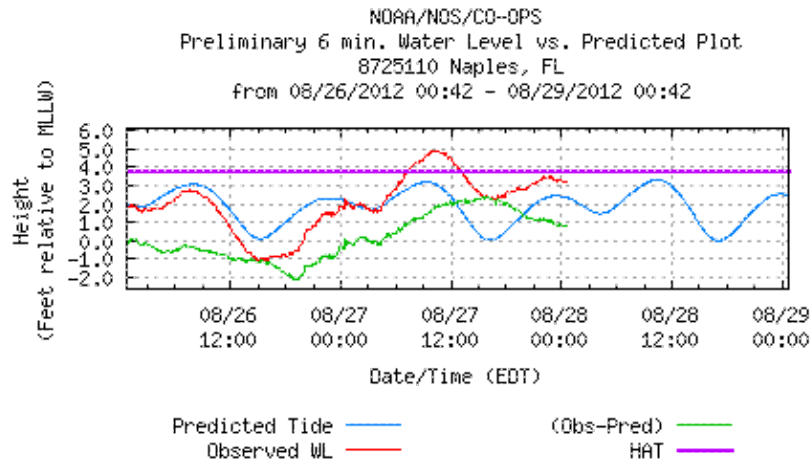
SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL CONTINUE TO AFFECT THE FLORIDA COASTLINE AND THE FLORIDA KEYS DURING THE NEXT DAY OR SO...AND BEGIN TO AFFECT PORTIONS OF THE NORTHERN GULF COAST EARLY TUESDAY.

FORECASTER BROWN/BLAKE

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Fort Myers - Water Level](#), [Fort Myers - Winds](#), [Fort Myers - Barometric](#), [St. Petersburg - Water Level](#), [St. Petersburg - Winds](#), [St. Petersburg - Barometric](#), [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [Cedar Key - Barometric](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#), [Apalachicola - Barometric](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Panama City - Barometric](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Dauphin Island - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C. Port of Pascagoula - Winds](#), [Dock C. Port of Pascagoula - Barometric](#), [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Barometric](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Pilots Station East, SW Pass - Barometric](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#),

Naples, FL - Return to List

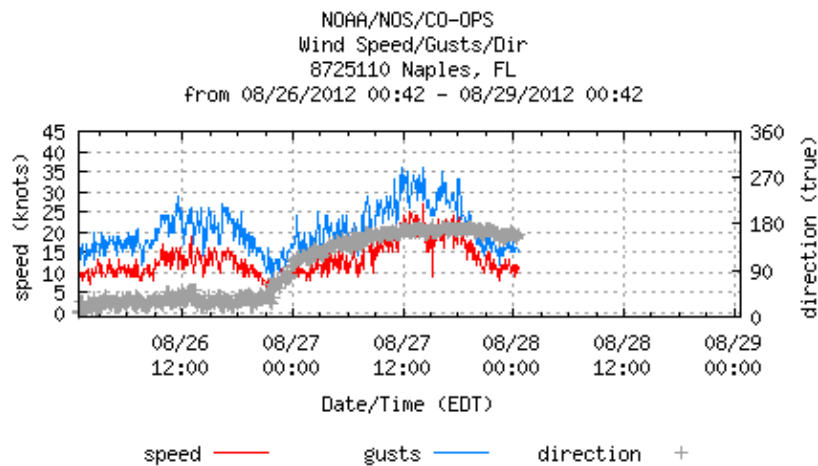


Last Observed Sample: 08/28/2012 00:30 (EDT)

Relative to MLLW: **Observed: 3.16 ft.** **Predicted: 2.35 ft.** **Residual: 0.81 ft.**

Historical Maximum Water Level: Dec 21 1972, 3.11 ft. above MHHW

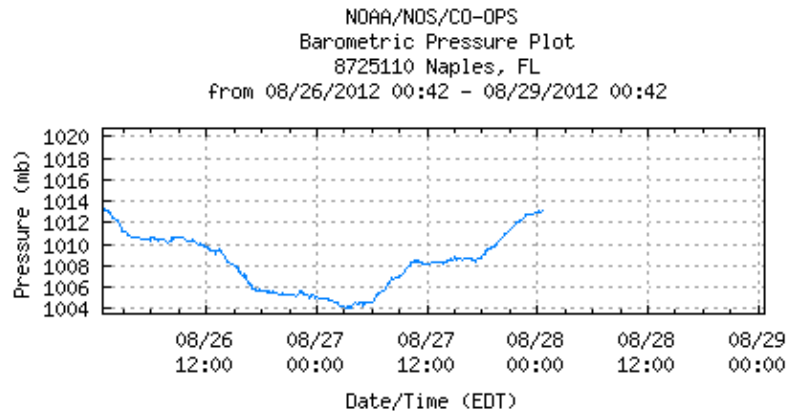
Naples, FL - Return to List



Last Observed Sample: 08/28/2012 00:30 (EDT)

Wind Speed: 11 knots **Gusts: 15 knots** **Direction: 161° T**

Naples, FL - Return to List

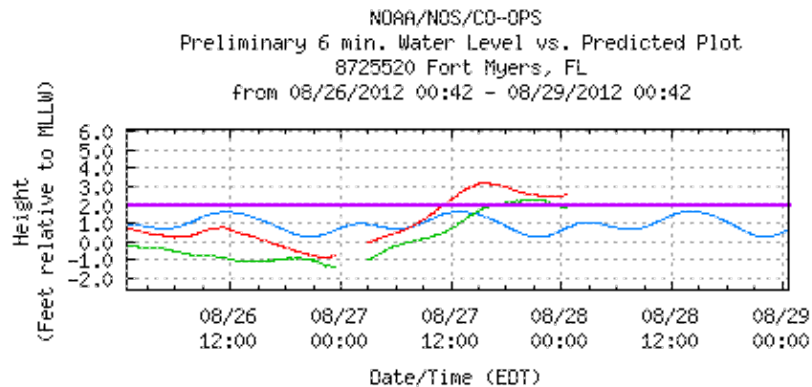


barometric pressure —

Last Observed Sample: 08/28/2012 00:30 (EDT)

Barometric Pressure: 1013.1 mb

Fort Myers, FL - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

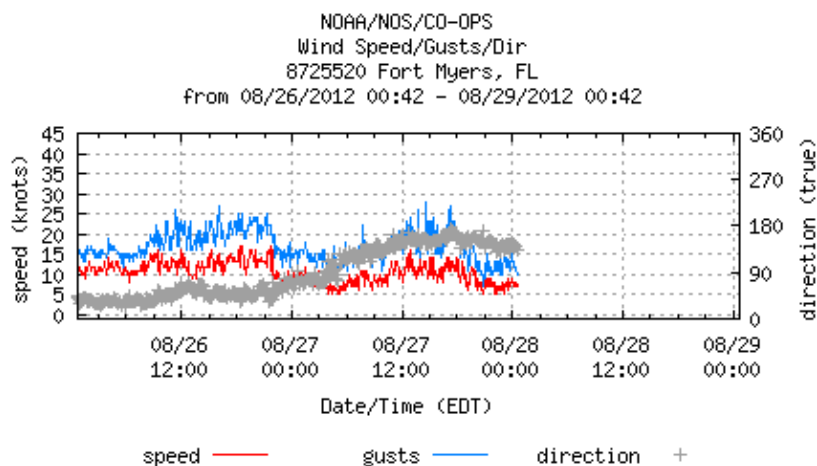
HAT —

Last Observed Sample: 08/28/2012 00:30 (EDT)

Relative to MLLW: **Observed: 2.55 ft.** **Predicted: 0.73 ft.** **Residual: 1.82 ft.**

Historical Maximum Water Level: Nov 23 1988, 3.41 ft. above MHHW

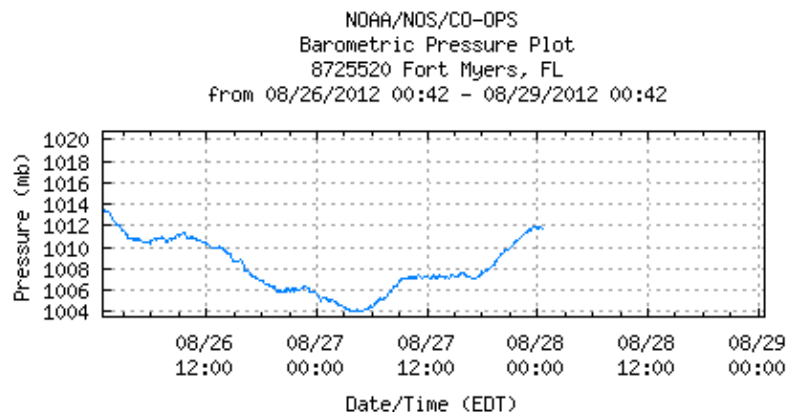
Fort Myers, FL - Return to List



Last Observed Sample: 08/28/2012 00:30 (EDT)

Wind Speed: 7 knots Gusts: 10 knots Direction: 133° T

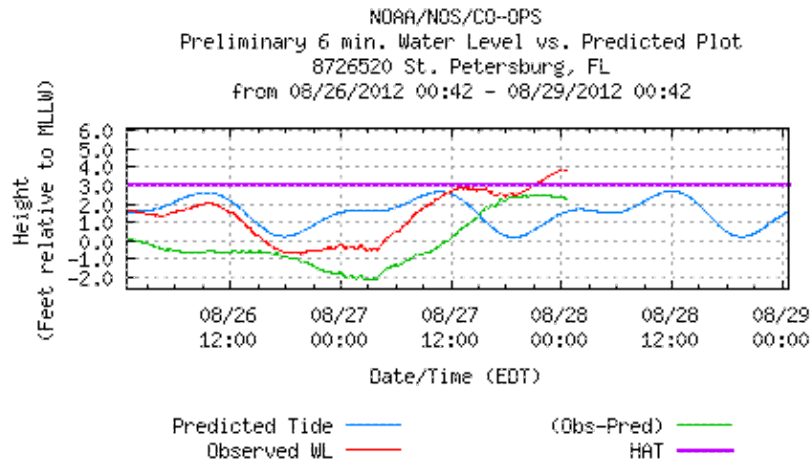
Fort Myers, FL - Return to List



Last Observed Sample: 08/28/2012 00:30 (EDT)

Barometric Pressure: 1011.7 mb

St. Petersburg, FL - Return to List

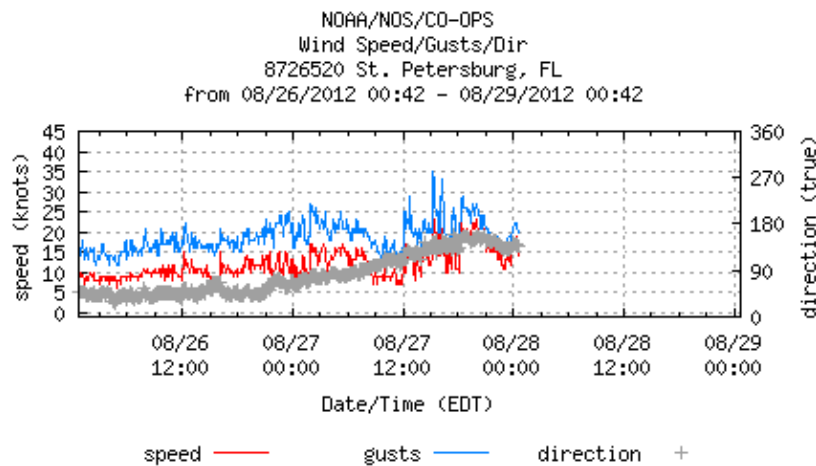


Last Observed Sample: 08/28/2012 00:30 (EDT)

Relative to MLLW: **Observed: 3.86 ft.** **Predicted: 1.57 ft.** **Residual: 2.29 ft.**

Historical Maximum Water Level: Aug 31 1985, 4 ft. above MHHW

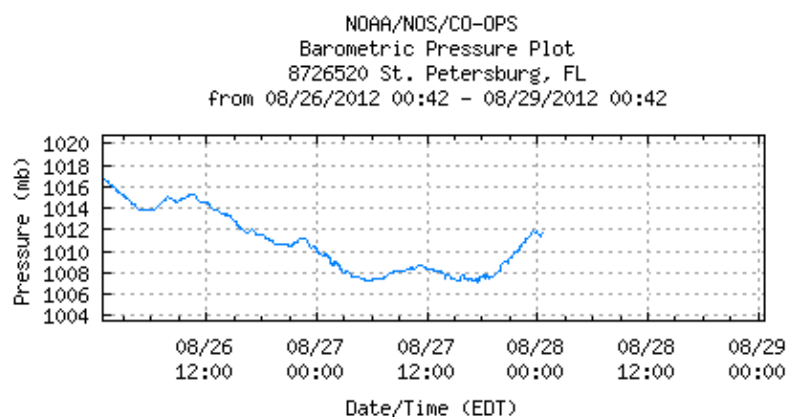
St. Petersburg, FL - Return to List



Last Observed Sample: 08/28/2012 00:30 (EDT)

Wind Speed: 14 knots **Gusts: 20 knots** **Direction: 139° T**

St. Petersburg, FL - Return to List

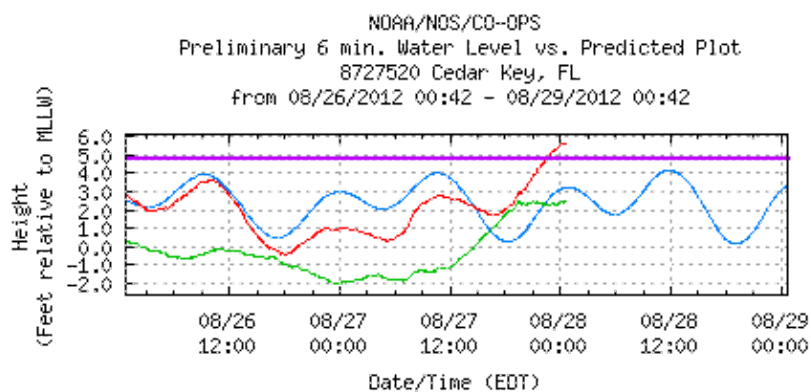


barometric pressure —

Last Observed Sample: 08/28/2012 00:30 (EDT)

Barometric Pressure: 1011.7 mb

Cedar Key, FL - Return to List



Predicted Tide —

(Obs-Pred) —

Observed WL —

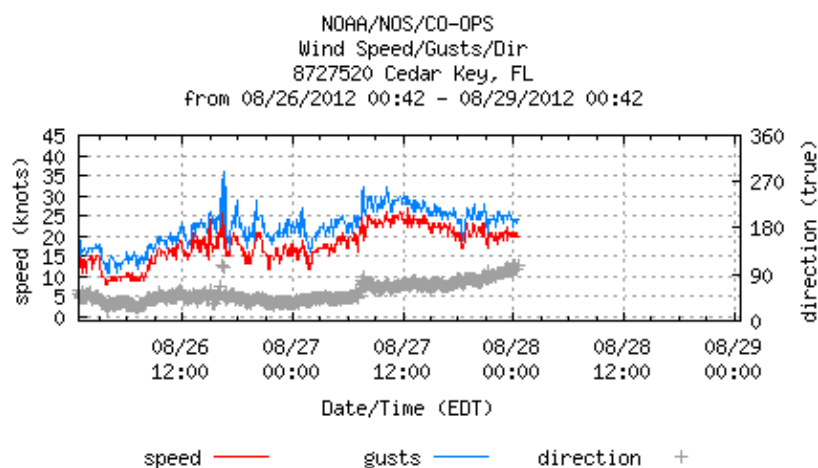
HAT —

Last Observed Sample: 08/28/2012 00:30 (EDT)

Relative to MLLW: **Observed: 5.62 ft.** **Predicted: 3.19 ft.** **Residual: 2.43 ft.**

Historical Maximum Water Level: Oct 7 1996, 5.15 ft. above MHHW

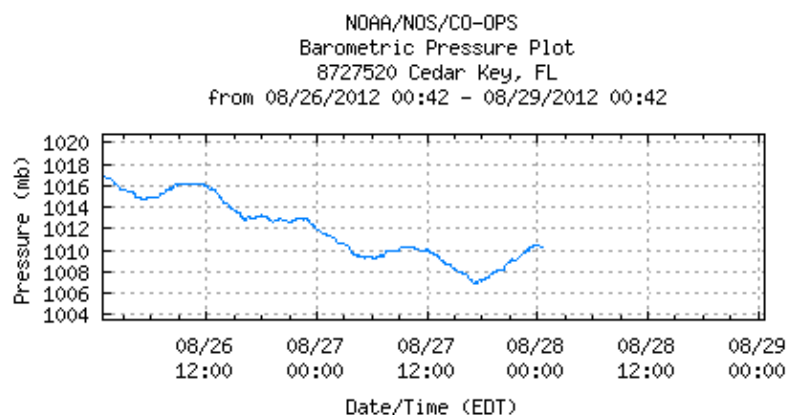
Cedar Key, FL - Return to List



Last Observed Sample: 08/28/2012 00:30 (EDT)

Wind Speed: 20 knots Gusts: 24 knots Direction: 108° T

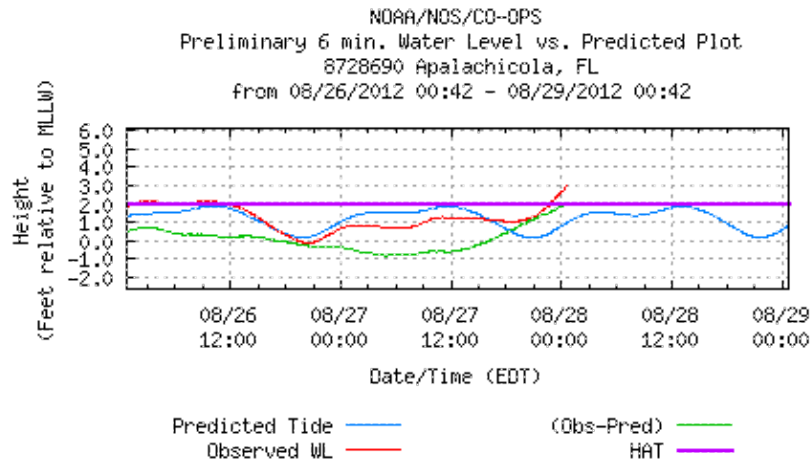
Cedar Key, FL - Return to List



Last Observed Sample: 08/28/2012 00:30 (EDT)

Barometric Pressure: 1010.3 mb

Apalachicola, FL - Return to List

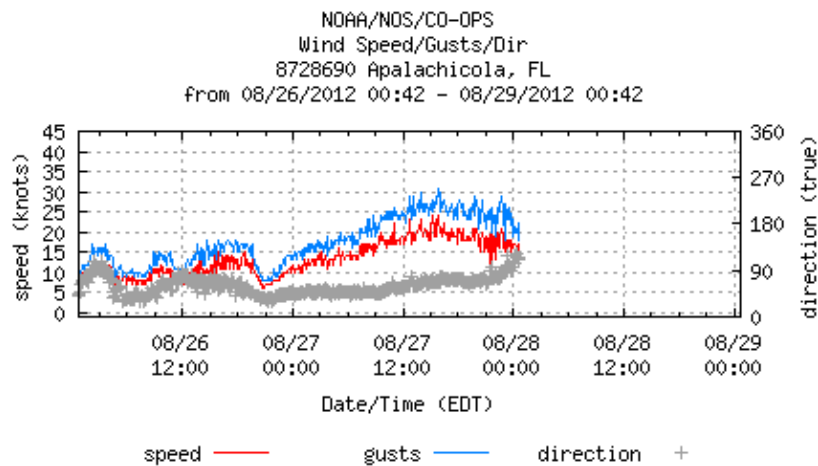


Last Observed Sample: 08/28/2012 00:36 (EDT)

Relative to MLLW: **Observed: 3.00 ft.** **Predicted: 0.98 ft.** **Residual: 2.02 ft.**

Historical Maximum Water Level: Jul 10 2005, 6.43 ft. above MHHW

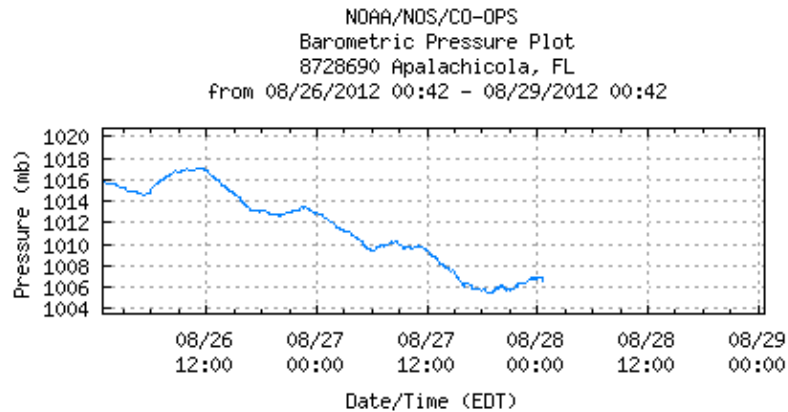
Apalachicola, FL - Return to List



Last Observed Sample: 08/28/2012 00:36 (EDT)

Wind Speed: 17 knots **Gusts: 22 knots** **Direction: 113° T**

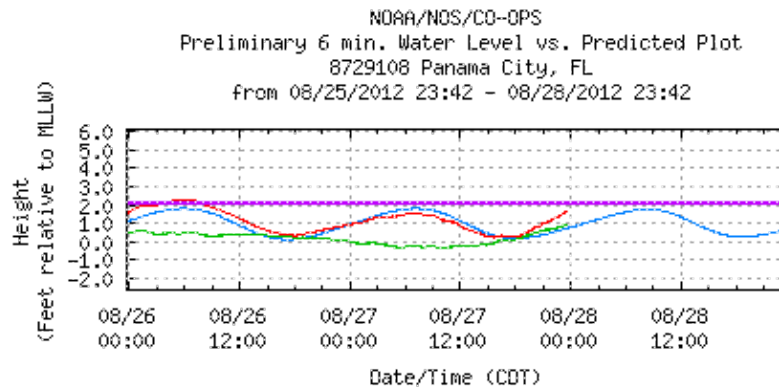
[Apalachicola, FL - Return to List](#)



Last Observed Sample: 08/28/2012 00:36 (EDT)

Barometric Pressure: 1006.6 mb

[Panama City, FL - Return to List](#)

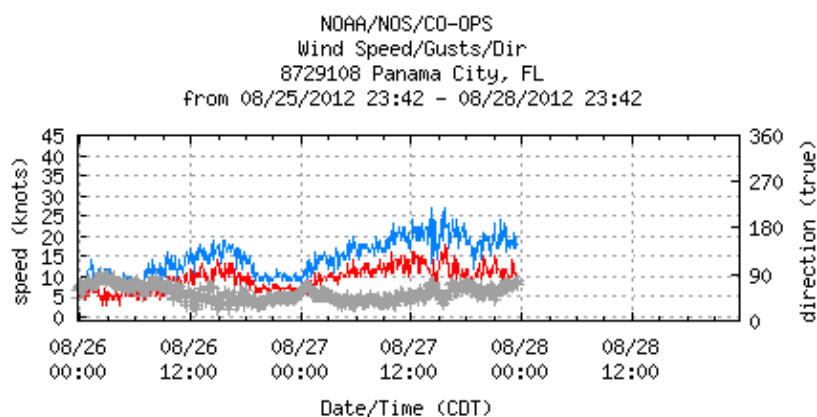


Last Observed Sample: 08/27/2012 23:36 (CDT)

Relative to MLLW: **Observed: 1.67 ft.** **Predicted: 0.72 ft.** **Residual: 0.95 ft.**

Historical Maximum Water Level: Oct 4 1995, 5.72 ft. above MHHW

Panama City, FL - Return to List

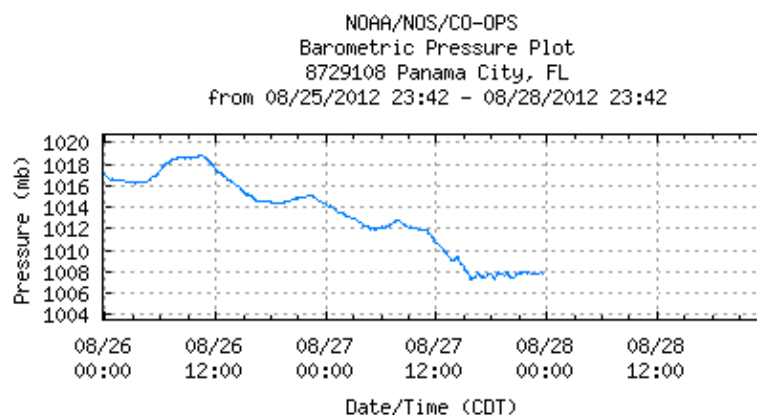


speed — gusts — direction +

Last Observed Sample: 08/27/2012 23:36 (CDT)

Wind Speed: 10 knots Gusts: 18 knots Direction: 69° T

Panama City, FL - Return to List

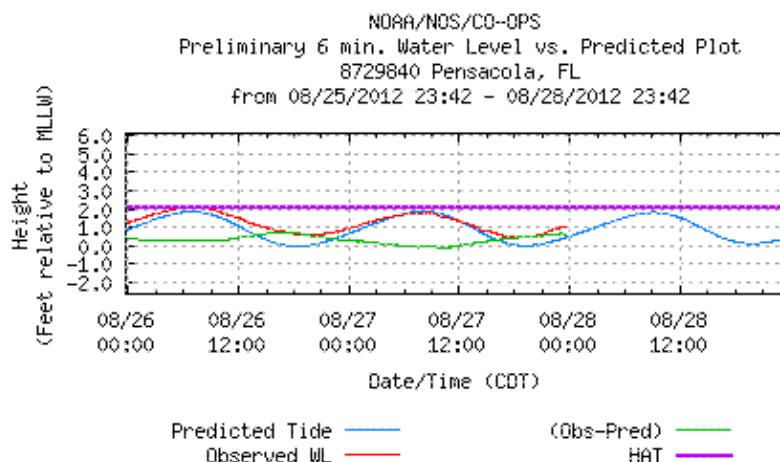


barometric pressure —

Last Observed Sample: 08/27/2012 23:36 (CDT)

Barometric Pressure: 1007.8 mb

Pensacola, FL - Return to List

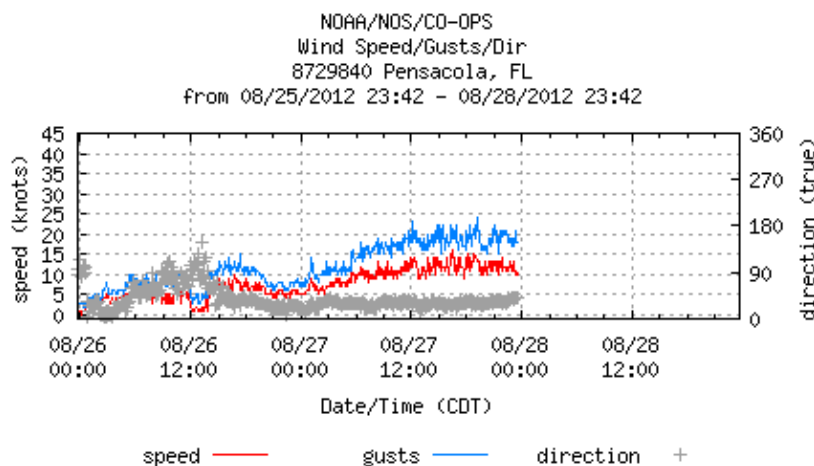


Last Observed Sample: 08/27/2012 23:30 (CDT)

Relative to MLLW: **Observed: 1.05 ft.** **Predicted: 0.42 ft.** **Residual: 0.63 ft.**

Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW

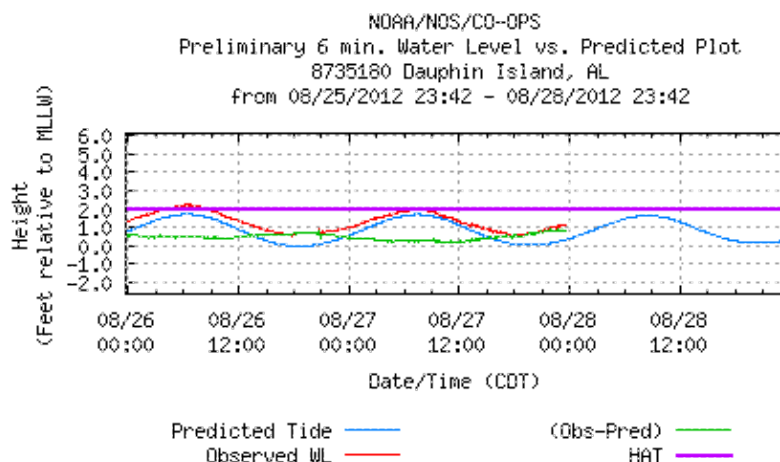
Pensacola, FL - Return to List



Last Observed Sample: 08/27/2012 23:30 (CDT)

Wind Speed: 10 knots **Gusts: 18 knots** **Direction: 41° T**

Dauphin Island, AL - Return to List

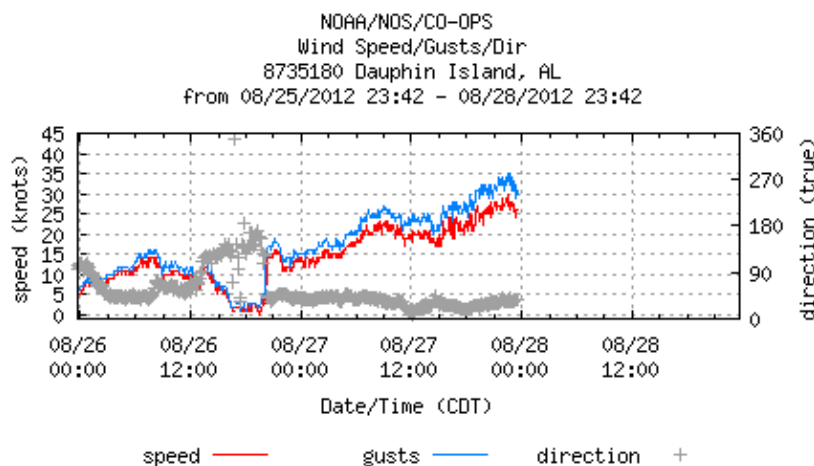


Last Observed Sample: 08/27/2012 23:30 (CDT)

Relative to MLLW: **Observed: 1.15 ft.** **Predicted: 0.31 ft.** **Residual: 0.84 ft.**

Historical Maximum Water Level: Sep 16 2004, 5.94 ft. above MHHW

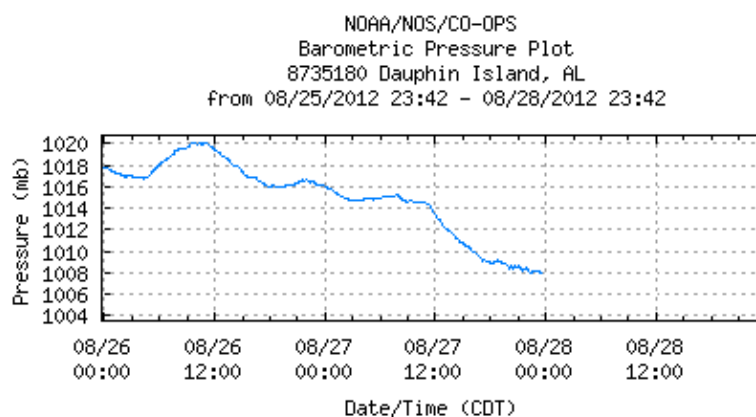
Dauphin Island, AL - Return to List



Last Observed Sample: 08/27/2012 23:30 (CDT)

Wind Speed: 26 knots **Gusts: 30 knots** **Direction: 38° T**

Dauphin Island, AL - Return to List

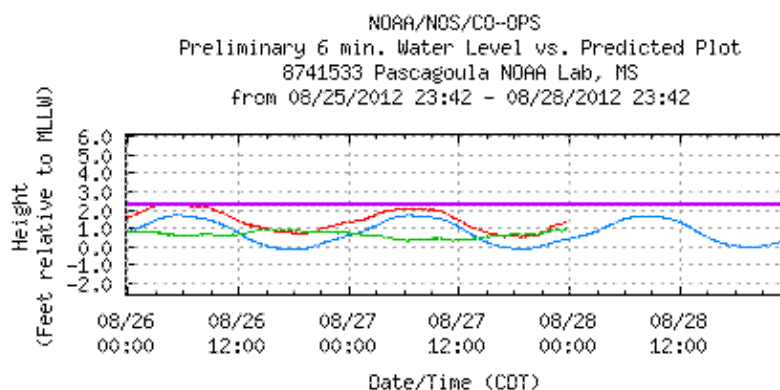


barometric pressure —

Last Observed Sample: 08/27/2012 23:30 (CDT)

Barometric Pressure: 1007.9 mb

Pascagoula NOAA Lab, MS - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

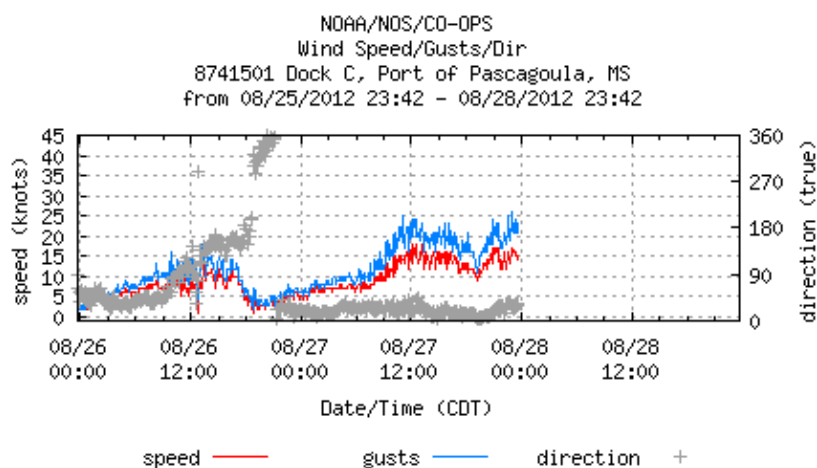
HAT —

Last Observed Sample: 08/27/2012 23:36 (CDT)

Relative to MLLW: **Observed: 1.37 ft.** **Predicted: 0.40 ft.** **Residual: 0.97 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

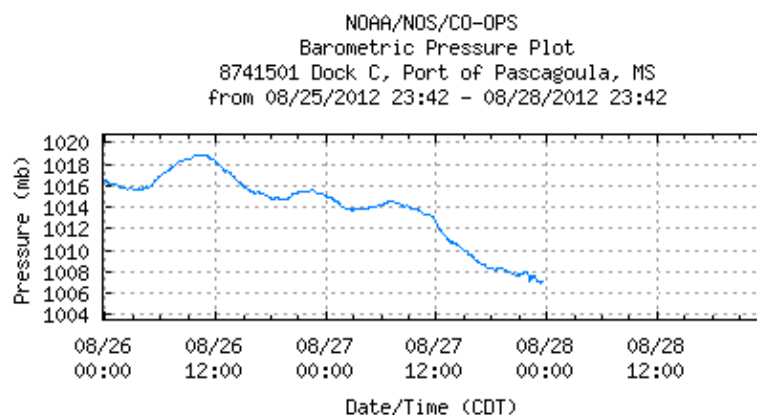
Dock C, Port of Pascagoula, MS - [Return to List](#)



Last Observed Sample: 08/27/2012 23:36 (CDT)

Wind Speed: 14 knots Gusts: 23 knots Direction: 34° T

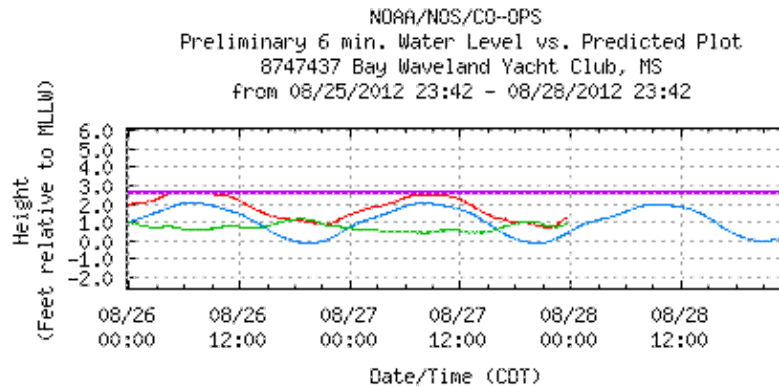
Dock C, Port of Pascagoula, MS - [Return to List](#)



Last Observed Sample: 08/27/2012 23:36 (CDT)

Barometric Pressure: 1007.0 mb

Bay Waveland Yacht Club, MS - Return to List



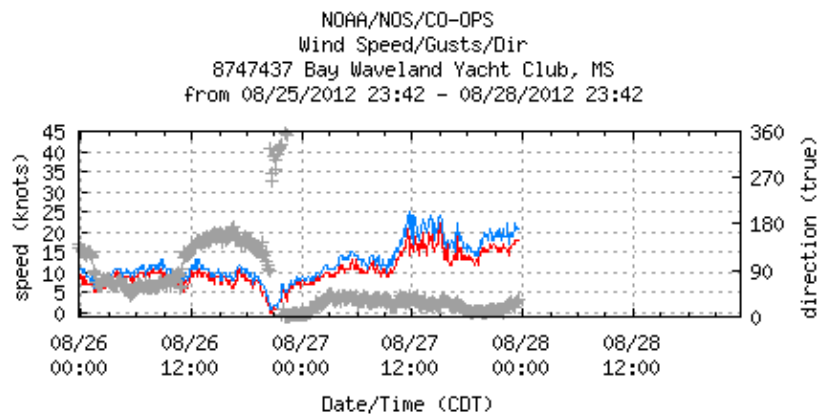
Predicted Tide — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 08/27/2012 23:30 (CDT)

Relative to MLLW: **Observed: 1.25 ft.** **Predicted: 0.38 ft.** **Residual: 0.87 ft.**

Historical Maximum Water Level: Sep 1 2008, 9.16 ft. above MHHW

Bay Waveland Yacht Club, MS - Return to List

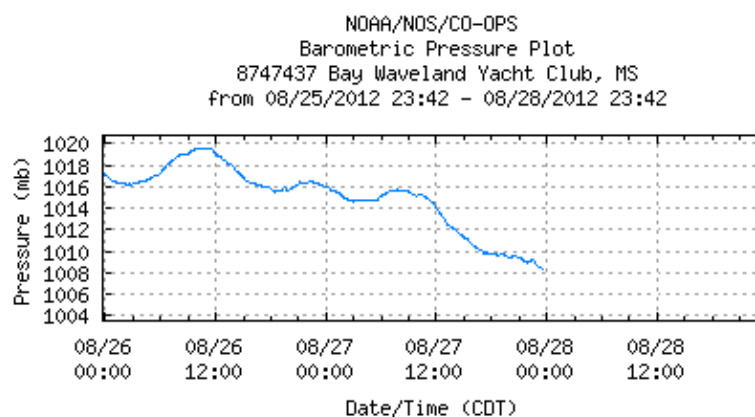


speed — gusts — direction +

Last Observed Sample: 08/27/2012 23:30 (CDT)

Wind Speed: 18 knots **Gusts: 21 knots** **Direction: 32° T**

Bay Waveland Yacht Club, MS - Return to List

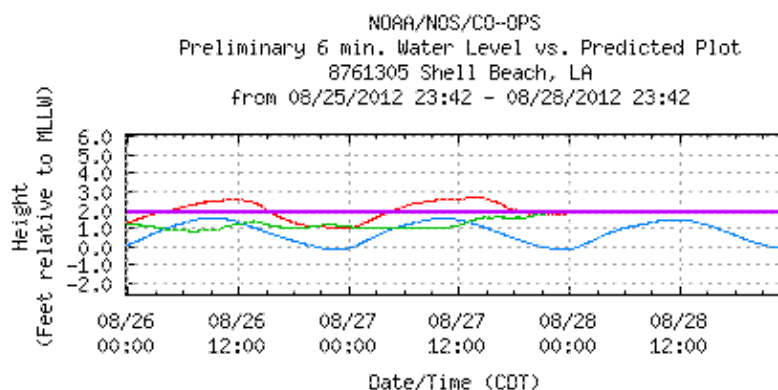


barometric pressure —

Last Observed Sample: 08/27/2012 23:30 (CDT)

Barometric Pressure: 1008.4 mb

Shell Beach, LA - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

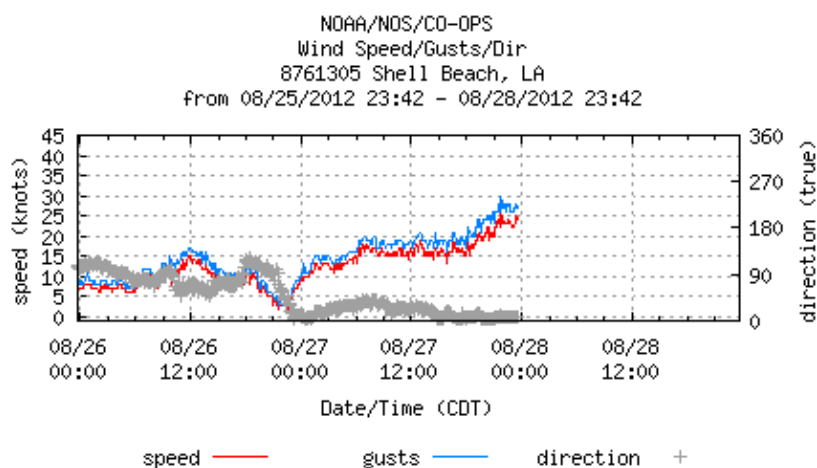
HAT —

Last Observed Sample: 08/27/2012 23:30 (CDT)

Relative to MLLW: **Observed: 1.79 ft.** **Predicted: -0.16 ft.** **Residual: 1.95 ft.**

Historical Maximum Water Level: Sep 1 2008, 8.78 ft. above MHHW

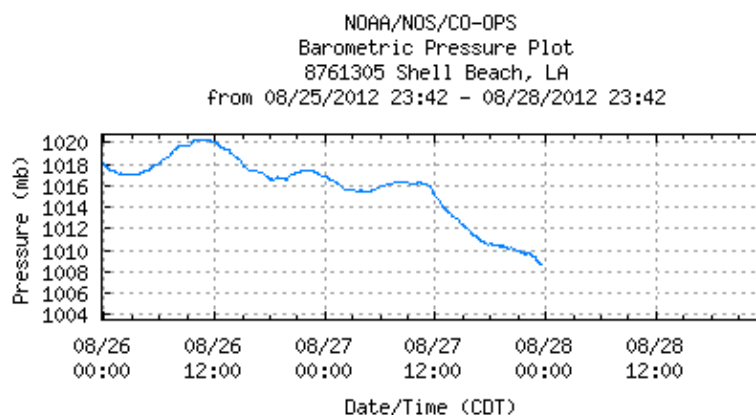
Shell Beach, LA - Return to List



Last Observed Sample: 08/27/2012 23:30 (CDT)

Wind Speed: 24 knots Gusts: 27 knots Direction: 8° T

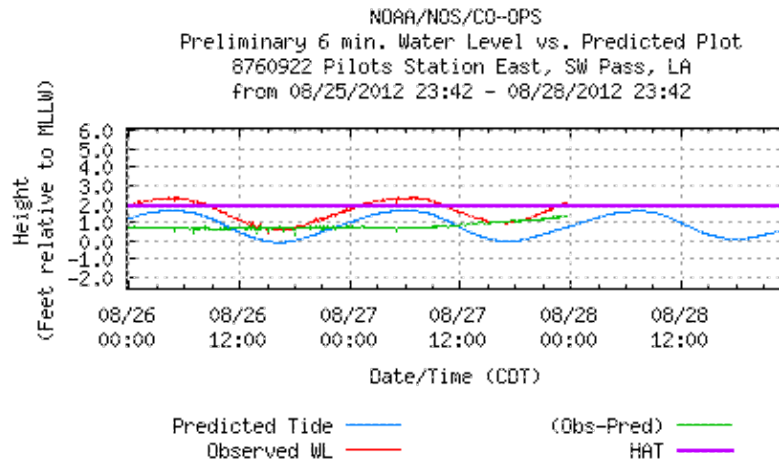
Shell Beach, LA - Return to List



Last Observed Sample: 08/27/2012 23:30 (CDT)

Barometric Pressure: 1008.6 mb

Pilots Station East, SW Pass, LA - Return to List

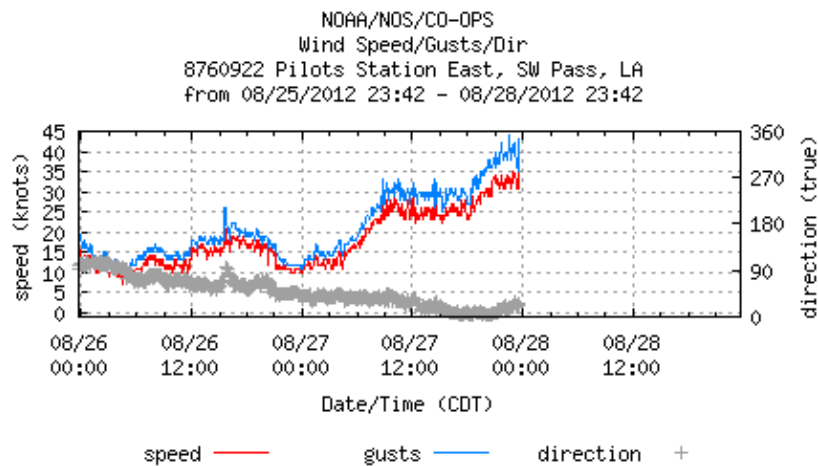


Last Observed Sample: 08/27/2012 23:36 (CDT)

Relative to MLLW: **Observed: 2.10 ft.** **Predicted: 0.73 ft.** **Residual: 1.37 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

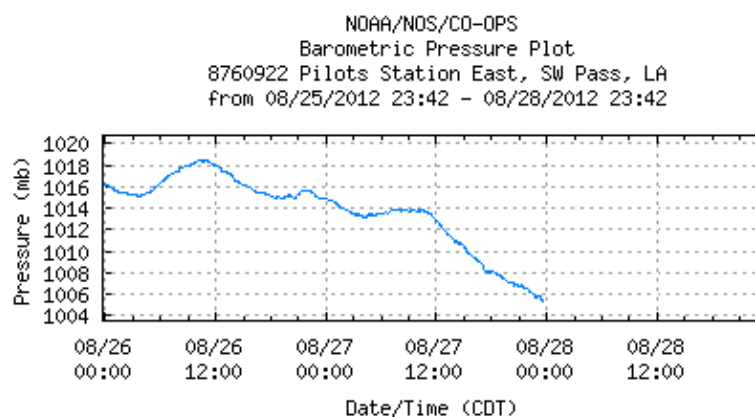
Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 08/27/2012 23:36 (CDT)

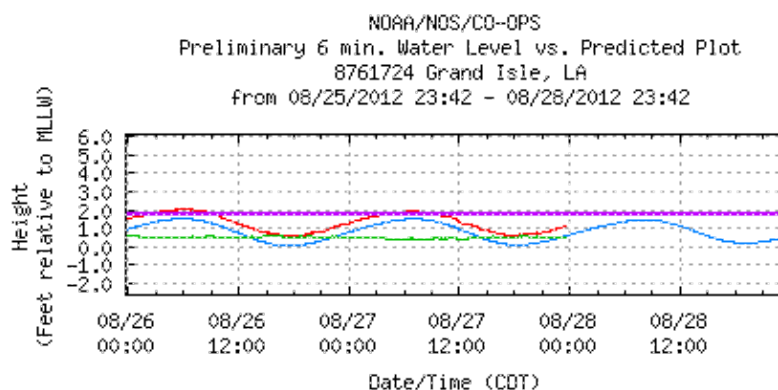
Wind Speed: 35 knots **Gusts: 43 knots** **Direction: 26° T**

Pilots Station East, SW Pass, LA - Return to List



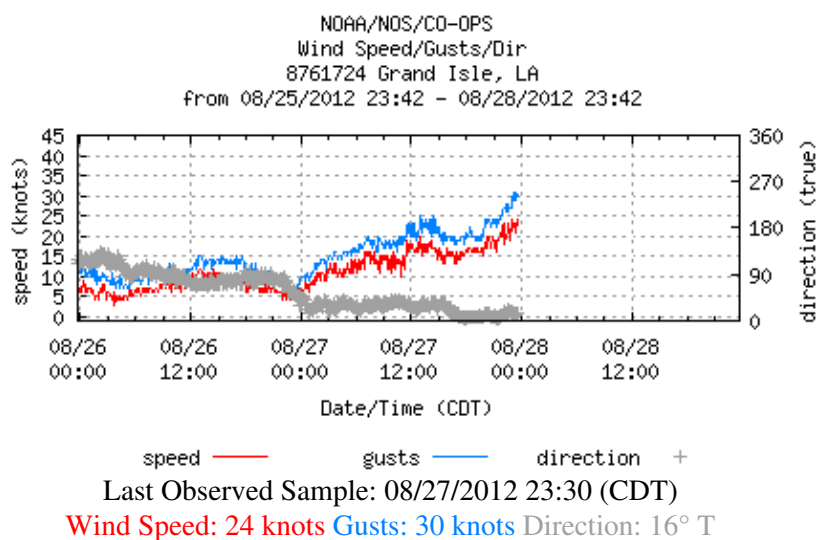
barometric pressure —
Last Observed Sample: 08/27/2012 23:36 (CDT)
Barometric Pressure: 1005.5 mb

Grand Isle, LA - Return to List

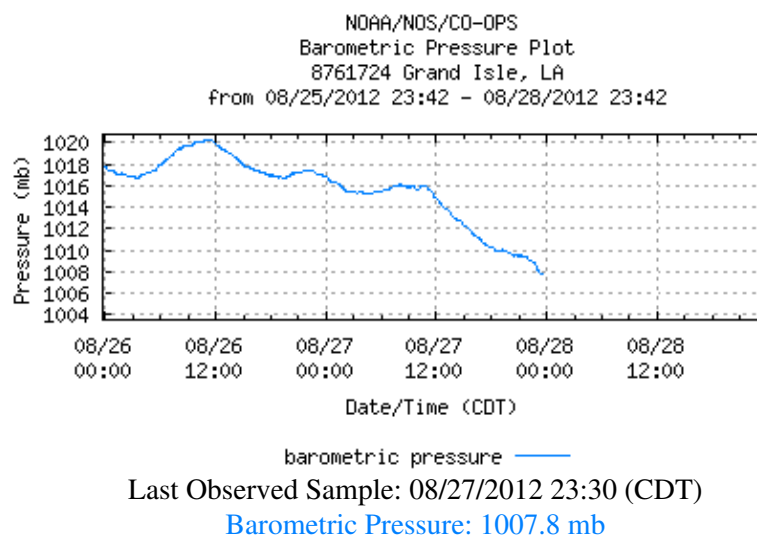


Predicted Tide — (Obs-Pred) —
Observed WL — HAT —
Last Observed Sample: 08/27/2012 23:30 (CDT)
Relative to MLLW: **Observed: 1.08 ft. Predicted: 0.57 ft. Residual: 0.51 ft.**
Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

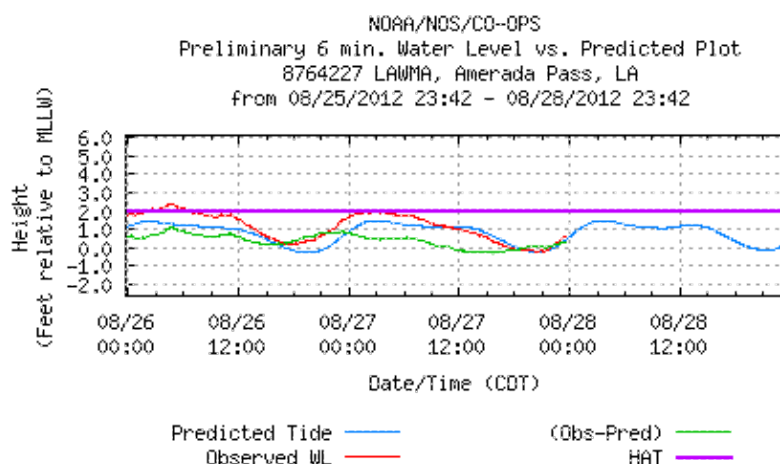
Grand Isle, LA - Return to List



Grand Isle, LA - Return to List



LAWMA, Amerada Pass, LA - Return to List

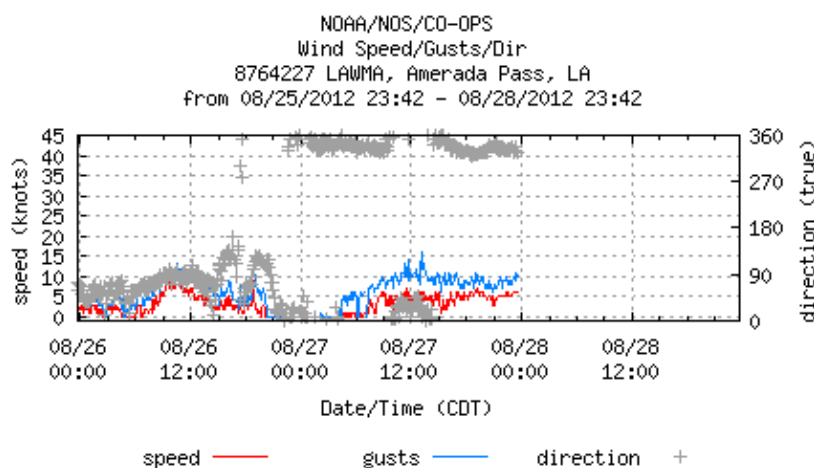


Last Observed Sample: 08/27/2012 23:30 (CDT)

Relative to MLLW: **Observed: 0.63 ft.** **Predicted: 0.39 ft.** **Residual: 0.24 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

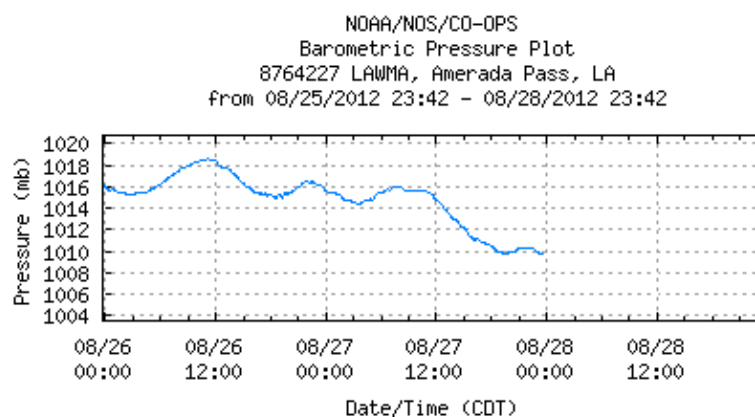
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 08/27/2012 23:30 (CDT)

Wind Speed: 6 knots **Gusts: 10 knots** **Direction: 327° T**

[LAWMA, Amerada Pass, LA - Return to List](#)



barometric pressure —

Last Observed Sample: 08/27/2012 23:30 (CDT)

[Barometric Pressure: 1009.7 mb](#)

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce